

Work Order ID 104841

104841

Page 1

July-22-13 9:02:06 AM

Item ID: 647.1301 Accept

N900040100 Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: EC145 Cable Cutters

Start Date: 7/22/13 Start Qty: 1.00 *1*

Cust Item ID:

Required Date: 7/22/13 Req'd Qty: 1.00 *1*

Customer:

Reference: ECN13-602

Approvals: Process Plan: W Date: Tooling: Date:

Run Start *NR1*

QC: Date: SPC (Y/N): Date:

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr

Revision Nbr

647.1300

B

100

0.00

100

DOCUMENT CONTROL

13/8/13 06:00

DC

Memo

0.00

Document Control

Photocopy bluefile & type labels per PPP 647.1301

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

PULL FROM STOCK:

1 X 647.1301 B125082

ADD TO KIT PER ECN13-602

28 X 601.1915 - CR3213-4-4

B M/23785 28x h

22 X 601.04790 - CR3213-4-3

B M/26320 h

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July-22-13 9:02:06 AM

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Cust Item ID:

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Customer:

Reference: ECN13-602

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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120 QC4- 100% Inspect kits for completeness 0.00

120

QC Memo 0.00

Quality Control

130 0.00

130

Packaging Memo 0.00

Packaging

REPACKAGE PER PPP UISNG NEW B/N
Identify and pack for shipping as per PPP 647.1301
Location: PG 092

EXPIRY DATE OF:

RTV Loctite 598: _____

MAGNOBOND 6398 PART 1: _____

MAGNOBOND 6398 PART 2: _____

SEALANT PR-1425: _____

***INDICATE ON BOX EXPIRY DATE OF RTV, MAGNOBOND PART1,
MAGNOBOND PART2 AND SEALANT PR-1425 ***

13/8/13

106

SD 13/8/13 B

Work Order ID 104841

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July-22-13 9:02:06 AM

Item ID: 647.1301 Accept

N900040100 Setup Start *NS1*

Revision ID:

Stop *NS2*

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Start Date: 7/22/13 Start Qty: 1.00 *1*

Cust Item ID:

Required Date: 7/22/13 Req'd Qty: 1.00 *1*

Customer:

Reference: ECN13-602

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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140	QC21- Final Inspection - Work Order Release	0.00							
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140

QC	Memo	0.00							
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Quality Control

*** Enter exp. date in lot maintenance for RTV loctite 598, MAGNOBOND PART1, MAGNOBOND PART2 AND SEALANT PR-1425***

MC5 1308-14
p13.8.14

Picklist Print

July-22-13 9:02:06 AM

Page 1

Work Order ID: 104841
Parent Item: 647.1301
Parent Item Name: EC145 Cable Cutters

Start Date: 7/22/13
Start Qty: 1.00

Required Date: 7/22/13
Required Qty: 1.00

Comments: IPP REV:A 12.10.05 NEW ISSUE DD VERF:JLM
REV B JLM VERIFIED BY:DD

IPP REV B: 13.07.16 AS PER

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
647.1301 EC145 Cable Cutters		Manufactured	No				Each	0.0000		1	125082		
CR3213-4-3 Cherry River		Purchased	No				Each	1,564.0000		22			
				<u>Location</u>		<u>Loc Qty</u>	<u>Loc Code</u>						
				ST328		1064							
				123301		1000							
				124876		64							
				ST554		500							
				m126320		500							
CR3213-4-4 Rivet		Purchased	No				Each	1,529.0000		28			
				<u>Location</u>		<u>Loc Qty</u>	<u>Loc Code</u>						
				ST329		1529							
				123301		354							
				123785		675							
				126282		500							

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NOTES: UNLESS OTHERWISE SPECIFIED

1 AFTER INSTALLATION, APPLY F/N 73 A/R TO FILL GAPS AND FILLET EDGES

2 APPLY F/N 74 TO FAYING SURFACES

3 AT CUSTOMERS OPTION, INSTALL F/N 77 BY MATCH DRILLING ONTO F/N 1

4 INSTALL FOR 647.1301, 647.1302.

5 INSTALL FOR 647.1304, 647.1305.

6 APPLICABLE WHEN EUROCOPTER P/N 145-250014.11 IS INSTALLED WITH EUROCOPTER CABLE CUTTER FIXED PROVISIONS.

REV	DESCRIPTION	DATE	APPROVED
1	LAST PROPOSED REVISION #2		N/C
N/C	INITIAL RELEASE	06/05/07	P. BRAVO
A	INCORPORATED FOR DYNAS (2002) 03/08	01/25/11	P. BRAVO
B	INCORPORATED FOR DYNAS	07/05/13	P. BRAVO

13		13	13		13	26	647.1812	SHIM			
4		4	4		4	25	647.1910	CLIP			
1		1	1		1	24	647.1810	NOSE DOOR DOUBLER			
1		1	1		1	23	647.1818	NOSE DOOR SPACER			
2		2	2		2	22	647.1813	ANGLE			
1		1	1		1	21	647.1913	TEE			
1		1	1		1	20	647.1814	GUSSET, LH			
1		1	1		1	19	647.1815	GUSSET, RH			
1		1	1		1	18	647.1915	SUPPORT ANGLE			
	2	2		2	2	17	647.2011	LOWER STRUT			
1		1	1		1	16	647.1914	BRACKET			
1		1	1		1	15	647.1816	SUPPORT, LH			
1		1	1		1	14	647.1817	SUPPORT, RH			
1		1	1		1	13	647.1912	BRACKET, LH			
1		1	1		1	12	647.1911	BRACKET, RH			
4		4	4	4	8	11	647.0112	STRUT BRACKET			
				1	1	10	647.2110	LOWER RAIL			
			1		1	9	647.2111	UPPER RAIL			
1		1	1		1	8	647.1610	WIPER DEFLECTOR, FWD			
1		1	1		1	7	647.1601	WIPER DEFLECTOR ASSY, AFT			
				2	2	6	647.1701	SKID DEFLECTOR ASSY			
1		1	1		1	5	647.3201	GROUNDING CABLE ASSY			
1		1	1		1	4	647.2201	CROSS ASSY			
1		1	1		1	3	647.1602	DOUBLER ASSY			
	1	1		1	1	2	647.1402	CUTTER ASSY (LOWER)			
				1	1	1	647.1401	CUTTER ASSY (UPPER)			
							647.1306	FIXED PROVISIONS KIT U CHANNEL			
							647.1305	REMOVABLE PROVISIONS KIT U CHANNEL			
							647.1304	EC145 CABLE CUTTERS KIT U CHANNEL COMPATIBLE			
							647.1303	FIXED PROVISIONS KIT			
							647.1302	REMOVABLE PROVISIONS KIT			
							647.1301	EC145 CABLE CUTTERS KIT			
1306	1305	1304	1303	1302	1301	END	PART #	DESCRIPTION	MAT'L		SPEC.

BOM Table (Restructured)

QTY	PARIS LIST
NEXT ASSY (S)	APICAL INDUSTRIES
ORIGINAL DATE	2608 TEMPLE HEIGHTS DR.
REVISION	OCEANSIDE, CA 92056-3512 (760)724-5300
DESIGNED BY	EC145 CABLE CUTTERS KIT
CHECKED BY	
APPROVED BY	
CONTRACT NO.	
UNLESS OTHERWISE SPECIFIED	REV. CODE
DIFFERENCES ARE INDICATED	07/02/06
BY DATE	647.1300
SCALE	NONE
SHEET	1 OF 9

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	2	2				85	647.1702	SKID DEFLECTOR ASSY			
	1	1				84	647.2113	LOWER RAIL (U CHANNEL KIT)			
	8	8				83	601.3655	WASHER	LN9025-0820K		
	8	8				82	601.3654	SCREW	LN9037-8018		
	1	1				81	647.2112	UPPER U CHANNEL			
	4	4				80	601.3653	WASHER	93475A270		
	2	2				79	601.3652	LOCKNUT	93625A300		
	2	2				78	601.3651	SCREW	91292A080		
	1	1				77	647.1403	CUTTER ASSY (UPPER U CHANNEL)			
	5	5				76	601.3650	BOLT	AN3-15A		
REF			REF	REF	REF	75	647.5701	GPS MOUNT KIT			
2	2	2	2	2	2	74	601.1954	SCREW	MS27039-1-17		
	2	2		2	2	73	647.2010	UPPER STRUT			
	1	1		1	1	72	601.2045	RTV	LOCTITE 598		
1	1	1		1	1	71	600.1012	SEALANT	PR-1425 CLASS B		
1	1	1		1	1	70	600.0991	MAGNOBOND 6398 PART B			
1	1	1		1	1	69	600.0990	MAGNOBOND 6398 PART A			
	4	4		4	4	68	601.3012	SCREW	MS27039-1-15		
2	2	2		2	2	67	601.3004	CAMLOC STUD			
2	2	2		2	2	66	601.3005	CAMLOC RETAINER			
2	2	2		2	2	65	601.3006	CAMLOC RECEPTACLE			
3 FT.	3 FT.	3 FT.		3 FT.	64	601.3011	P-SEAL				
1.1 FT.	1.1 FT.	1.1 FT.		1.1 FT.	63	601.3007	GROMMET	MS21266-2N			
2	2	2		2	62	601.3008	INSERT	NAS1834C-300			
11	11	11		11	61	601.2991	RIVET	CR3213-4-6			
2	2	2		2	60	601.1039	RIVET	CR3213-4-2			
8	8	8		8	59	601.1183	RIVET	CR3213-4-5			
.1306	.1305	.1304	.1303	.1302	.1301	FIND #	PART #	DESCRIPTION	MATL	SPEC.	

BOM Table (Restructured)

22		22	22		22	58	601.0790	RIVET		CR3213-4-3	
8		8	8		8	57	601.2995	RIVET		CR3213-4-5	
4		4	4		32	56	601.1915	RIVET		CR3213-4-4	
12		12	12		12	55	601.2207	NUTPLATE RIVET		CCR26455-3-03	
4		4	4		4	54	601.1983	NUTPLATE RIVET		CCR27455-3-03	
12		12	12		12	53	601.2980	NUTPLATE RIVET		CCR26455-3-04	
12		12	12		12	52	603.0795	NUTPLATE		MS21047-3	
	4	4		4	4	51	601.3209	LOCKNUT		MS21042L4	
5	4	9	5	4	9	50	601.2973	LOCKNUT		MS21042-08	
29	17	46	29	16	45	49	601.2943	LOCKNUT		MS21042-3	
3		3	3		3	48	601.2375	WASHER			
10	8	18	10	8	18	47	601.2764	WASHER		NAS11491N832P	
	70	32	70	32	102	46	601.1607	WASHER		NAS1149F0332P	
1		1	1		1	45	601.2575	SCREW		MS27039-0807	
4		4	4		4	44	601.1952	SCREW		MS27039-1-20	
	4	4		4	4	43	601.3010	SCREW		MS27039-0810	
4		4	4		4	42	601.3224	SCREW		AN525-10R12	
5		6	6		6	41	601.1365	SCREW		MS27039-1-10	
3		3	3		3	40	601.2198	SCREW		MS27039-1-07	
3		3	3		3	39	601.2999	SCREW			
18		18	18		18	38	601.2459	SCREW		MS27039C1-05	
4		4	4		4	37	601.1622	SCREW		MS27039-1-14	
10		10	10		10	36	601.2051	SCREW		MS24594C52	
2		2	2		2	35	601.2823	BOLT		AN3-4A	
1		1	1		1	34	601.1374	BOLT		AN4CH6A	
	2	2		2	2	33	601.1874	BOLT		AN3C10A	
	12	12		16	16	32	601.2826	BOLT		AN3-11A	
8		8	8		8	31	601.2638	WASHER		NAS1149F0432P	
4		4	4		4	30	601.3002	BOLT		NAS6604-66	
2		2	2		2	29	647.1811	SPACER			
4		4	4		4	28	647.2511	NUT			
4		4	4		4	27	647.2510	SLEEVE			
.1306	.1305	.1304	.1303	.1302	.1301	FIND #	PART #	DESCRIPTION	MATL	SPEC.	

BOM Table (Restructured)

ORIGINAL DATE: 02-01-06
 DRAWN BY: P. POLANO
 CHECKED BY: D. BAKER
 DRAWING APPROVAL: P. POLANO
 DIFF: P. POLANO

UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN INCHES
 TOLERANCES ARE:
 2 PLACE DECIMALS ± .005
 3 PLACE DECIMALS ± .001
 ANGLES ± .3°

APICAL INDUSTRIES
 2608 TEMPLE HEIGHTS DR.
 OCEANSIDE, CA. 92056-3512 (760) 724-5300

EC145 CABLE CUTTERS KIT

SCALE: NONE

SHEET: 2 OF 9

Linda Lacelle

From: Jacob Becker
Sent: July-18-13 10:32 AM
To: Jean-Luc Menard
Cc: Pablo Bravo; David Duval; Linda Lacelle
Subject: RE: 647.1301 PICK LIST

F/N 58 should be 601.0790 CR3213-4-3. I spoke with Andrea, and I will make the change on this rev and she will resend the revised drawing with the appropriate F/N 58.

58	601.0790	RIVET	CR3213-4-3
57	601.2995	RIVET	CR3213-6-6
56	601.1915	RIVET	CR3213-4-4

From: Jean-Luc Menard
Sent: Thursday, July 18, 2013 4:40 AM
To: Jacob Becker
Cc: Pablo Bravo; David Duval; Linda Lacelle
Subject: RE: 647.1301 PICK LIST

Jacob,
The dwg has been recently updated to rev B, I don't think you are looking at the right rev.
See Below.
JL

22	58	601.1915	RIVET	CR3213-4-4	←
8	57	601.2995	RIVET	CR3213-4-6	←
32	56	601.1915	RIVET	CR3213-4-4	←
12	55	601.2207	NUTPLATE RIVET	CCR264SS-3-03	
4	54	601.1983	NUTPLATE RIVET	CCR274SS-3-03	
12	53	601.2980	NUTPLATE RIVET	CCR264SS-3-04	

From: Jacob Becker
Sent: July-17-13 3:57 PM
To: Jean-Luc Menard
Cc: Pablo Bravo
Subject: RE: 647.1301 PICK LIST

The drawing shows that the they are the same rivet but slightly different length.

56: CR3213-4-4
 58: CR3213-4-3

From: Pablo Bravo
Sent: Wednesday, July 17, 2013 11:38 AM
To: Jacob Becker
Subject: FW: 647.1301 PICK LIST

Jake,

Can you please look at this?

Thanks,

Pablo

From: Jean-Luc Menard
Sent: Wednesday, July 17, 2013 11:21 AM
To: Pablo Bravo; Dave Barker
Cc: Linda Lacelle; David Duval
Subject: 647.1301 PICK LIST

Hey Guys,
Just updating the bom's and noticed that item 56 and 58 are the same item.
Should they be the same or is one ro be a different item.
Pls let me know,
JL

Jean-Luc Ménard
Production Engineering Supervisor

DART AEROSPACE

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